

Converting Colors

$Y_{xy}(21.7952, 0.2844, 0.4013)$

Have a look what the booklet for
Yxy(21.7952, 0.2844, 0.4013)
contains.

Yxy(21.7958, 0.2845, 0.4017)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.7958, 0.2845, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	508D6A
RGB	80, 141, 106
RGB Percent	31%, 55%, 42%
CMY	0.6861, 0.4471, 0.5843
CMYK	0.43, 0.00, 0.25, 0.45
HSL	146°, 28%, 43%
HSV	146°, 43%, 55%
XYZ	15.4367, 21.7958, 17.0264
YIQ	118.7710, -25.1210, -23.8170

Conversions

Conversions Part 2

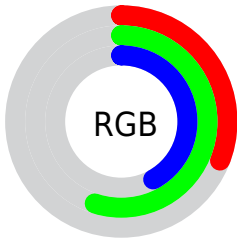
Format	Color
R_{YB}	80, 123, 141
Decimal	5279082
CIE _{Lab}	53.81, -28.11, 12.61
CIE _{LCh}	54, 30.805, 155.834
Y _{xy}	21.7958, 0.2845, 0.4017
Android (android.graphics.Color)	4283469162 (0xFF508D6A)
YUV	118.7710, -6.2961, -34.0022
Hunter-Lab	46.6860, -22.6797, 11.0570

Details

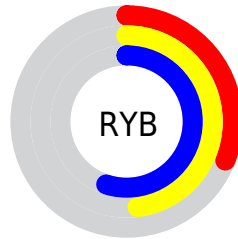
The Yxy color **21.7958, 0.2845, 0.4017** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.6445, 0.3578, 0.2669**, and the grayscale version is **18.4008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3701, 0.2915, 0.3849**, and **7.8750, 0.2706, 0.4327** is the 20% darker color. If you saturate the color by 10%, you get **21.0851, 0.2798, 0.4224**, and if you desaturate by 10%, it is **22.6530, 0.2902, 0.3822**.

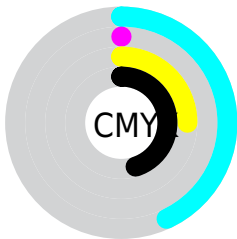
Distribution



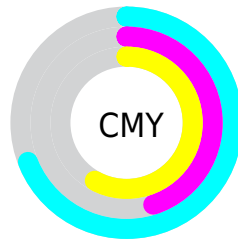
- Red (31%)
- Green (55%)
- Blue (42%)



- Red (31%)
- Yellow (48%)
- Blue (55%)



- Cyan (43%)
- Magenta (0%)
- Yellow (25%)
- Black (45%)




- Cyan (69%)
- Magenta (45%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7958, 0.2845, 0.4017 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 21.7958, 0.2845, 0.4017 by changing the saturation by 10% instead.


 21.7958, 0.2845,
0.4017

 21.7958, 0.2845,
0.4017


261.4780, 0.3012,
0.3591


 13.7069, 0.2791,
0.4152


 46.4083, 0.2914,
0.3843


 7.9171, 0.2713,
0.4348


 63.7007, 0.2937,
0.3784


 4.0420, 0.2587,
0.4656

 84.8297, 0.2955,
0.3736

 1.6971, 0.2362,
0.5227

 110.1797, 0.2971,
0.3697

 0.4218, 0.0000,
1.0000

 140.1352, 0.2984,
0.3664

 0.0000, 0.0000,
0.0000

175.0805, 0.2995,

0.3636

215.3999, 0.3004,
0.3612

■ 21.7958, 0.2845,
0.4017

■ 21.7958, 0.2845,
0.4017

■ 21.0851, 0.2798,
0.4224

■ 22.6530, 0.2902,
0.3822

■ 20.5096, 0.2764,
0.4440

■ 23.6620, 0.2966,
0.3643

■ 20.0609, 0.2746,
0.4659


■ 24.8307, 0.3034,
0.3480


■ 19.7280, 0.2746,
0.4874

■ 26.1661, 0.3104,
0.3334

■ 19.4982, 0.2764,
0.5079

■ 27.6745, 0.3175,
0.3204

 19.3756, 0.2781,
0.5210

 29.3619, 0.3245,
0.3088

 31.2341, 0.3312,
0.2987

 33.2966, 0.3377,
0.2898

 35.5547, 0.3440,
0.2820

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.7958, 0.3387, 0.4289



21.7958, 0.2845, 0.4017



21.7958, 0.2404, 0.3491

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.7958, 0.2845, 0.4017



21.7958, 0.2374, 0.2421



21.7958, 0.4197, 0.3477

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.7958, 0.2845, 0.4017



12.6445, 0.3578, 0.2669

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.7958, 0.3879, 0.3051



21.7958, 0.2845, 0.4017



21.7958, 0.2795, 0.2470

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.7958, 0.2845, 0.4017



21.7958, 0.2155, 0.2578



21.7958, 0.3348, 0.2695



21.7958, 0.4191, 0.3898

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.7958, 0.2845, 0.4017



21.7958, 0.2218, 0.3119



21.7958, 0.3348, 0.2695



21.7958, 0.4125, 0.3331

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.7967, 0.2845, 0.4017



44.4593, 0.3034, 0.3481



23.3144, 0.3447, 0.4434



9.8323, 0.3020, 0.3512



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7967, 0.2845, 0.4017



37.7749, 0.2799, 0.4222



22.5315, 0.2597, 0.3388



6.0651, 0.3062, 0.3419



17.6706, 0.2779, 0.5203



0.1732, 0.2549, 0.4377

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.6445, 0.3578, 0.2669



19.1233, 0.3729, 0.2535



12.0635, 0.4112, 0.3200



5.4727, 0.3198, 0.3164



5.7079, 0.4602, 0.2309



0.0590, 0.3865, 0.1903

Previews

White Background



This preview shows how the Yxy color 21.7958, 0.2845, 0.4017 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 21.7958, 0.2845, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.7958, 0.2845, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 21.7958, 0.2845, 0.4017.



This preview shows how white text looks on a background with the Yxy color 21.7958, 0.2845, 0.4017.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.7958, 0.2845, 0.4017

Protanopia

21.5927, 0.3544, 0.3793

Deuteranopia

21.4948, 0.3585, 0.3514



Tritanopia

21.8886, 0.2574, 0.3081

Trichromacy



Original Color

21.7958, 0.2845, 0.4017

Protanomaly

21.4474, 0.3259, 0.3886

Deuteranomaly

21.2803, 0.3274, 0.3684

Tritanomaly

21.8213, 0.2668, 0.3407

Monochromacy



Original Color

21.7958, 0.2845, 0.4017

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.3969, 0.3011, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7958, 0.2845, 0.4017 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(80, 141, 106)` looks like.

```
.text, #text, p{  
    color:rgb(80, 141, 106)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(80, 141, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 141, 106) }
```

Border

The CSS property to change the border of an element to Yxy 21.7958, 0.2845, 0.4017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(80, 141, 106) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(80, 141, 106) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(80, 141, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 141, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 141, 106);  
box-shadow:4px 4px 4px 4px rgb(80, 141,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7958, 0.2845, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 141, 106) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(80, 141,  
106) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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